रजिस्ट्री सं० डी०— (डीएन)—73

Registered No. D—(DN)—73

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 48] नई दिल्ली, शनिवार, नवम्बर 26, 1983 (अग्रहायण 5, 1905)

No. 48] NEW DELHI, SATURDAY, NOVEMBER 26, 1983 (AGRAHAYANA 5, 1905)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 26th November, 1983

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West),
Bombay-400 013,

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Sawaswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The State of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
214, Acharya Jagadish Bose Road,
Calcutta-700 017.

Rest of India.

Telegraphic address : "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees : The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA--700 017

The dates shown in crescent brackets are the dates claimed under section 135, of the Act.

19th October, 1983

1280/Cal/83. Interlock Industries Limited. A pivot bearing. (18th October, 1982 & 9th December, 1982).

1281/Cal/83. The Air Preheater Company, Inc. Method for sequentially cleaning a multiple chamber fabric filter.

1282/Cal/83. Cetus Corporation. Cysteine-Depleted muteins of biologically active proteins.

1283/Cal/83. General Electric Company. End-capping catalyst for forming alkoxy-functional one component RTV compositions.

1284/Cal/83. BBC Brown, Boveri & Company, Limied. Internal combustion engine supercharged by means of an exhaust gas turbocharger.

1285/Cal/83. BARR & Stroud Limited. Infrared radiation detecting systems. (6th November, 1982).

1286/Cal/83. Mitsui Toatsu Chemicals, Inc. Process for Producing 3-phenoxybenzyl 2-(4-alkoxyphenyl)-2-methylpropyl ethers.

20th October 1983

1287/Cal/83. Aluminium Pechiney. Closed apparatus providing potential fluidisation for horizontally conveying powder materials.

1288/Cal/83. Personal Products Company. Superthin absorbent product.

1289/Cal/83. Cabot Corporation. Wear-Resistant stainless steel.

1290/Cal/83. Dipl.—Ing. Hans Osterrath. Cigarette packet with electric lighter.

1291/Cal/83. Enertec. Electronic meter for measuring active and reactive energies in a three-phase network.

21st October, 1983

1292/Cal/83. Sri Santanu Guha. Manufacturing process of cement Bricks (Solid & Hollow) without using any machinery.

1293/Cal/83. Aeci Limited. A method and means for making an explosive in the form of an emulsion.

1294/Cal/83. W & A Bates Limited. Improvements in the manufacture of pneumatic types. (2nd November, 1982).

1295/Cal/83. Aluminium Pechiney. An open-chamber furnace comprising a blow-pipe for the firing of carbonaceous blocks.

(22nd October 1982)

1296/Cal/83. Brayant & May Limited. Humidity resistant matches and process for the manufacture thereof. (22nd October 1982).

1297/Cal/83. Airbilt Limited. An aerial machine. (22nd October, 1982).

1298/Cal/83. Pennwalt Corporation. Granular pesticide composition.

1299/Cal/83. Metallgesellschaft Aktiengesellschaft and (2) Mannesmann Aktiengesellschaft. Process of producing liquid carbon-containing iron.

1300/Cal/83. Atlas Industries, Ltd. Wire retaining wall apparatus and method for earthern formations.

24th October, 1983

1301/Cal/83. Radhe Shyam Pandey & Keshaw Prasad Pandey. Low cost flooring-5-13 (thirteen).

1302/Cal/83. Radhe Shyam Pandey & Keshaw Prasad Pandey. Low cost flooring-5-13 (thirteen).

1303/Cal/83. Shankar Prasad Mishra, Sm. Nayantara Pathak, Sm. Chitra Mishra & Sm. Abha Mishra. Improvements in or relating to the typewriter or the typelator.

1304/Cal/83. Sasanka Ranjan Karmakar. Improvements relating to press tool for making holes in printed circuit boards.

1305/Cal/83. Sasanka Ranjan Karmakar. Mass soldering technique and equipment thereof.

1306/Cal/83. Korf Engineering GMBH, Voest Alpine AG. Process and installation for the direct production of sponge iron particles and liquid crude iron from iron ore in lump form.

1307/Cal/83. Duphar International Research B.V. Automatic injection device.

1308/Cal/83. Dynamit Nobel Aktiengesellschaft. Process and apparatus for the production of a plastics foil possessing a colour strip with differential colour intensity.

25th October, 1983

1309/Cal/83. Ethicon, Inc. Absorbable hemostatic composition.

1310/Cal/83. Korne GMBH. Test equipment for manually testing an optical glass-fibre subscriber line which is operated with bidirectional wavelength multiplex.

1311/Cal/83. T.M.H. Taassiyot Mishmar Haemek Ve-Gal'ed (Tama Plastic Industries). Improvement in and relating to modular chicken houses and egg collecting means.

1312/Cal/83. Fibre Dynamics Limited. Hydraulic transport of objects. (29th October 1982).

1313/Cal/83. Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Method for particulate production of condensate of aldehyde compound and phenol compound.

1314/Cal/83. R. J. Reynolds Tobacco Company. Adjustable air dilution filter.

26th October, 1983

1315/Cal/83. BBC Brown, Boveri & Company, Limited. Static power converter.

1316/Cal/83. National Aeronautics and Space Administration. Three-phase power factor controller with induced EMF sensing.

1317/Cal/83. Degussa Aktiengesellschaft. Continuous process for the production of hydrogen peroxide according to the anthraquinone process.

1318/Cal/83. General Electric Company. Novel scavangers for one-component RTV compositions.

1319/Cal/83. Westinghouse Electric Corporatin. Molded case circuit breaker apparatus having trip bar with flexible armature interconnection.

1320/Cal/83. Regal International, Incorporated. An offshore bumper assembly. [10th March, 1980]

APPLICATIONS FOR PATENTS FILED AT PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, III FLOOR, KAROL BAGH, NEW DELHI-5.

1st October, 1983

683/Del/83. Council of Scientific & Industrial Research, "Process for the preparation of aluminium base galvanic anode alloys".

3rd October, 1983.

684/Del/83. Dorr-Oliver Incorporated, "Rake lifting means for sedimentation apparatus".

685/Del/83. Beindix Limited, "Improvements to compressor assemblies". (October 9, 1982).

686/Del/83. Bendix Limited, "Improvements to moulded fluid pressure operable components".

687/Del/83. Ateliers Et Chantiers De La Manche, "Improvements in boats".

4th October, 1983

688/Del/83. The B.F. Goodrich Company, "Preparation of fabric for bonding to rubber".

689/Del/83. C-I-L Inc., "Emulsion explosive composition" (October 29, 1982).

6th October, 1983

690/Del/83. Schering Aktiengesellschaft, "5-phenoxy-benzoic acid derivatives of pentites, processes for their preparation and herbicidal compositions containing them".

7th October, 1983

691/Del/83. Gurcharan Singh Chawla, "Improvement in or relating to tap wrench".

692/Del/83. Oil and Natural Gas Commission, "A process for the preparation of a flow improver".

693/Del/83. Indian Institute of Technology, "A process".

694/Del/83. Indian Institute of Technology, "A process".

695/Del/83. Societe Anonyme De Participations appareillage Gardy, "Electrical switch".

696/Del/83. IMI Titanium Limited, "Titanium alloy" (October 15, 1982).

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, TODI ESTATES (3RD FLOOR), LOWER PAREL (WEST), BOMBAY-400 013

20th September, 1983

293/BOM/83. Rathi Industrial Equipments Co. (P) Ltd. A system for producing compressed air beam for cleaning filter bags.

21st September, 1983

294/BOM/83. Venkatraman Subramaniam. A Hydraulic-cum-Mechanical seat. Reclining Device.

295/BOM/83. Dhananjay Ramchandra Phatak & Vijaya Dhananjay Phatak. Improvements in or relating to the foundation footings.

296/BOM/83. Pressure Cookers & Appliances Limited. Improvements in or relating to pressure cookers.

297/BOM/83. Pressure Cookers & Appliances Limited. Bin for Refuse.

22nd September, 1983.

298/BOM/83. Appollo Engineering Works. Box type spring hinges for spectacle frame.

299/BOM/83. Mayoor Chinubhai Gandhi. Physical Pull exerciser.

300/BOM/83. Bullworker Private Ltd. Physical exercising Device.

301/BOM/83. Dr. Rachhpal Singh Bali. Gravity Bubble Engine.

302/BOM/83. Thermax Pvt. Ltd. Air Conditioner.

303/BOM/83. Thermax Pvt. Ltd. Refractory less furnaces.

23rd September, 1983

304/BOM/83. Deodhar Electric Works. A Nover Automatic Shockproof Electric Water Heater.

26th September, 1983

305/BOM/83. Shridhar Ramchandra Sathe & Ramachandra Shridhar Sathe. Improved Gas Plant.

306/BOM/83. Vijay Govind Gokhale. A composite door or window frame.

307/BOM/83. Bajaj Auto Ltd. Locking Arrangement for two wheeler vehicles particularly for motor scooters.

27th September, 1983

308/BOM/83. Hansraj Tidabhai Kashipara. A probe flowmeter for measurement of flow in open channels, canals and rivers.

28th September, 1983

309/BOM/83. Larsen & Toubro Limited. A single break double isolation contact system for use in a switching device such as switch circuit breaker or the like.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

19th October, 1983

210/Mas/83. N. L. R. Rao. Innovation of typewriter keyboard in Kannada language

21st October, 1983

211/Mas/83. S. Kandasami. A cyclosyling machine.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS 31 C. 152227.

Int. Cl. H 01 l 11/00.

A POWER METAL-OXIDE-SEMICONDUCTOR-FIELD-EFFECT-TRANSISTOR.

Applicants : WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : MAURICE HENRY HANES AND EARL STAUFFER SCHLEGEL.

Application No. 939/Cal/79 filed September 7, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A power metal-oxide-semiconductor-field-effect-ransistor (MOSFET) comprising : a substrate having top and bottom surfaces, and having a first type of conductivity and a first doping concentration; an epitaxial layer on the top surface of said substrate, said epitaxial layer having said first conductivity type and a second doping concentrations; a source electrode disposed on the surface of said epitaxial layer including a first plurality of fingers extending therefrom; a gate electrode, including a second plurality of fingers interdigitating with the fingers of said source electrode, said gate electrode being insulated from said epitaxial layer by layer of insulating material disposed therebetween; characterized in that said epitaxial layer includes a first region having a second conductivity type, a second region in a portion of said first region, said second region underlying the fingers of said source electrode and having said first conductivity type with a doping concentration higher than a third region in a portion of the area order the fingers of said gate electrode, said third region having said first conductivity; and a drain electrode is disposed on the bottom surface of said substrate.

(Compl. specn. 16 pages. Drgs. 10 sheets).

CLASS 31 C. 152228.

Int. Cl. H 01 l 11/00.

GLASS-SEALED POWER THYRISTORS.

Applicants : WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. DAVID LEROY MOORE, 2. JOSEPH ANTHONY OSTOP, 3. JOSEPH EDGAR JOHNSON.

Application No. 955/Cal/79 filed September 12, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A glass-sealed power thyristor having a body of semiconductor material with a first ring-shaped glass member forming a seal protecting the PN junction between the first emitter region and the first base region of said body; and a second ring-shaped glass member forming a seal protecting the PN junction between the first base region and the second base regions; and the PN junction between the second base region and the second emitter region.

(Compl. specn. 17 pages. Drgs. 4 sheets).

CLASS 206 H. 152229.

Int. Cl. H 03 k 21/00.

DIGITAL FREQUENCY DIVIDER.

Applicants : SIEMENS AKTIENGESELLSCHAFT OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : FRITZ SONNTAG.

Application No. 1055/Cal/79 filed October 10, 1979.

Appropriate office for Opposition Proceedings (Rules 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Digital frequency divider for a division ratio.

$$\frac{Z}{} < 1,$$

wherein the voltage together with the frequency to be divided is fed to the input of a logic unit,

wherein the output of the logic unit is connected to a first input of a first frequency divider (2) having an integral division factor n ($n>1$),

wherein the output of the first frequency divider (2) is connected to the input of a second frequency divider (3) having a division factor m ($m>1$), and

wherein the output of the second frequency divider (3) is connected to a second input of the logic unit,

characterized in that an exclusive-OR-gate (1) is provided as logic unit,

that there is provided a third frequency divider (4) having an integral division factor k, whose input is connected to the output of the first frequency divider (2) and whose output serves as a general output,

that when operated with a symmetrical rectangular voltage, all frequency dividers (2, 3, 4) always emit a rectangular voltage having the pulse-pause-ratio 1 : 1 at the output, and that the division factor is determined in that the numerator Z of the rational division ratio is divided by the difference of the product of numerator Z and division factor n and the quotient of the denominator N and the division factor k.

(Compl. specn. 10 pages. Drgs. 1 sheet).

CLASS 69 D. 152230.

Int. Cl. H 01 h 51/00.

IMPROVEMENTS RELATING TO DRY-REED RELAY COIL BODY.

Applicants : SOCIETA ITALIANA TELECOMMUNICAZIONI SIEMENS S.p.A., OF PIAZZALE ZAVATTARI 12, 20149 MILANO, ITALY.

Inventors : 1. ENZO SCALABRINI AND 2. ELIGIO ANTONINI.

Application No. 1289/Cal/79 filed December 10, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A dry-reed relay coil body provided with flanges to contain the winding, characterized in that it presents a recess located between flanges capable of housing a given number of bulbs containing the contact reeds, a given number of recesses provided in both flanges and capable of housing the terminals of said bulbs, throughholes having a diameter not smaller than the one of said terminals and provided opposite each recess in bases forming part of the body at least a pair of connecting tips, embodied in one of said bases, and at least a pair of further recesses provided on the flange adjacent said base and capable of housing the terminals of the winding provided after the recess has been closed with a cover, said terminals being soldered to said connecting tips.

(Compl. specn. 7 pages. Drgs. 1 sheets).

CLASS 40 F, 152 E. 152231.

Int. Cl C 08 f 35/00, 29/00.

METHOD FOR PREPARING HYDROPHILIC SYNTHETIC POLYMERS HAVING A MOLECULAR WEIGHT OF AT LEAST 10^4.

Applicants : NEDERLANDSE CENTRALE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELLIK ONDERZOEK OF JULIANA VAN STOL-BERGLAAN 148, THE HAGUE, THE NETHERLANDS.

Inventors : 1. ADOLF HESLINGA, and 2. PIETER JAN GREIDANUS.

Application No. 1334/Cal/79 filed December 21, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

Method for preparing hydrophilic synthetic polymeric alloy having a molecular weight of at least 10^4 characterized in that a polymer alloy such as herein described is prepared which is stable and homogeneous up to high temperatures such as herein described starting mainly from component (a) one or more polymers of high molecular weight such as herein described having anhydride groups and component (b) one or more polymers of high molecular weight with ester groups, wherein first a solution of component (a) is prepared in an organic solvent such as herein described to which solution then component (b) is added, and component (a) in dissolved state is, protolyzed in whole or in part such as herein described prior to or after the addition of component (b) under the action of protolyzing agents such as water or alcohol, whereupon the solvent is removed, and optionally adding thereinto and additional component and/or material whereas (a) and (b) each has a molecular weight of at least 10^4.

(Compl. specn. 27 pages. Drgs. 4 sheets).

CLASS 176 F & I. 152232.

Int. Cl. B 22 b 17/18.

SINGLE DRUM WATER TUBE BOILER SYSTEM.

Applicants : PRESSELS PVT. LTD., MADHUPATNA, CUTTACK-753010, ORISSA, INDIA.

Inventors : SUBIMAL CHANDRA MULLICK.

Application No. 1347/Cal/81 filed November 28, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A single drum water tube boiler comprising a horizontal drum, an rear header receiving water from the drum, an front header for collection of steam and a horizontal bank of tubes connecting the said two headers is characterised by that the headers;

are of full welded construction with the two side plates and a wrapper ring plate welded together forming a closed box,

are provided with a number of inspection holes against each tube at either end of the horizontal tube bank,

are provided with stays connecting the two side plates, the stays projecting beyond the breadth of the header and fillet welded with the plates on the outside.

(Compl. specn. 10 pages. Drgs. 1 sheet).

CLASS 72C. 152233.

Int. Class C06b 19/00.

A METHOD FOR PREPARATION OF EXPLOSIVE COMPOSITIONS.

Applicant : CHIEF CONTROLLER, RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI. INDIA, AN INDIAN NATIONAL.

Inventors: BRIJ MOHAN LAL SHERA, SUDESH KUMAR VASUDEVA ARUNANDER KUMAR SHARMA & ANIL KAPOOR.

Application for Patent No. 376/Del/79 filed on 28-5-79.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims.

A method for the preparation of a cyclotrimethylene trinitramine plastic bonded explosive compositions which comprises preparing a binder solution, preparing a mixture of said cyclotrimethylene trinitramine in water, characterized in preparing said solution of non explosive unsubstituted polyhydrocarbon resin binder or polyester resin binder in an insensitive organic hydrocarbon or a water immiscible solvent by thorough mixing, adding the said solution of binder to the said mixture of said explosive in water with agitation, thereby forming a homogenous slurry, distilling off under vacuum the said water immiscible solvent to form granules from said slurry, filtering the slurry and drying the granules in vacuum oven and if desired pressing the granules into tablets.

(Complete specification 13 pages).

CLASS 67A & 7. 152234.

Int. Class: G08b—13/22, 29/00.

A THEFT PREVENTION DEVICE.

Applicant : SACHINDRA NATH SEN, AN INDIAN NATIONAL OF MC/AP/17, MINI CAMPUS, I.I.T., NEW DELHI-110029, INDIA.

Inventor : SACHINDRA NATH SEN.

Application for patent No. 378/Del/79 filed on 28th May, 1979.

Complete specification left on 15th March, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims.

A theft prevention device comprising a combination code unit having at least three rotatable arms each adapted to traverse over numbered electrical contacts spaced around a dial or disc, the input terminal of the said unit being connected to a power source and the output terminal being connected to a switching circuit including at least two switches one of the switches being adapted to connect an electromagnetic lock to the power source and the other switch being adapted to connect a slave or follow up unit to the said power source, when the switching circuit is energised.

(Provisional specification 5 pages).

(Complete specification 10 pages. Drawing 1 sheet).

CLASS : 14 A, 2, 1. 152235.

Int. Class : Holm 35/02, H02 j 7/14.

IMPROVEMENTS RELATING TO MULTI CELL BATTERIES.

Applicant : DUNLOP OLYMPIC LIMITED, FORMERLY KNOWN AS DUNLOP AUSTRALIA LIMITED, OF 108 FLINDERS STREET, MELBOURNE, IN THE STATE OF VICTORIA, AUSTRALIA, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF VICTORIA.

Inventor : WILLIAM LESLIE McDOWALL & ALAN KEITH MAPLESDEN.

Application for patent No. 383/Del/79 filed on 29th May, 1979.

Convention date 31st May, 1978/(25532/78).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims.

A multi-cell battery comprising;

a first assembly of frames,

a second assembly of frames, and

barrier means interposed between said first and second assemblies of frames for electrically and chemically isolating said first and second assemblies from one another;

each of said first and second assemblies of frames comprising :

a plurality of frames secured together in side by side relation, each frame having a perimeter element and spaced division elements defining with the perimeter element a plurality of support areas arranged side by side across the width of the frame, the perimeter and division elements of the frames in the assembly being secured together in sealed relation so that the perimeter elements form outer walls of the assembly and the division elements form partitions between adjacent cells of the assembly,

individual masses of active battery material supported in each support area of the frame of the assembly so that each support area forms a battery plate, the active battery material in respective areas being selected so that adjacent areas in the same frame form plates of opposite polarity and corresponding areas in adjacent frames of the assembly form plates of opposite polarity,

an electrolyte porous insulating separator member between the active battery material of opposite polarity in said corresponding areas; and

the frame at one end of each assembly of frames having the perimeter and division elements thereof secured in sealed relation to respective opposite sides of the barrier means,

the first and second assemblies of frames thereby forming independent multi-cell batteries on opposite sides of the barrier means.

(Complete specification 17 pages. Drawing 2 sheets).

CLASS : $83A_2$, B_3. 152236.

Int. Class : A23c 3/00, A231/3/00.

METHOD OF MAKING A WATER DISPERSIBLE CELLULOSE POWDER.

Applicant : FMC CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING A PLACE OF BUSINESS AT 2000 MARKET STREET, PHILADELPHIA, PENNSYLVANIA 19103, UNITED STATES OF AMERICA, MANUFACTURERS.

Inventor : EMANUEL JOSEPH McGINLEY.

Application for Patent No. 384/Del/79 filed on 29th May, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims.

The method of making a water-dispersible powder capable of functioning as a stabilizing agent and enhancing the body and texture of frozen dairy type foods, characterized by intimately admixing in a wet state dis-integrated beta- 1, 4 glucan with a carbohydrate sweetener and hydrocolloid gum, and drying the mixture.

(Complete specification 9 pages).

CLASS : 33D. 152237.
Int. Class : B22d 45/00.

A REMOVABLE PLATE ASSEMBLY FOR USE IN A ROTARY GATE VALVE FOR TEEMING MOLTEN METAL.

Applicant : USS ENGINEERS AN CONSULTANTS, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, DOING BUSINESS AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor : EARL PAGE SHAPLAND.

Application for patent No. 387/Del/79 filed on 30th May, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims.

A removable plate assembly for use in a rotary gate valve for teeming molten metal, said removable plate assembly including a refractory plate enclosed by a metal housing and containing at least one opening for pouring molten metal therethrough, and at least one replaceable refractory tubular insert received in said at least one opening, said refractory plate being divided into separable parts along a parting line extending through said plate opening, and means for retaining said tubular insert in locked relation in said plate opening.

(Complete specification 19 pages. Drawing 6 sheets).

CLASS : 125 B, 2 152238.

Int. Class : G01f 11/06.

DEVICE FOR DISPENSING A PREDETERMINED AMOUNT OF A LIQUID SUBSTANCE INTO A VASSEL.

Applicant : JEAN GUIGAN, OF 9, RUE JEAN MERMOZ, 75008 PARIS, FRANCE; OF FRENCH NATIONALITY.

Inventor : JEAN GUIGAN.

Application for patent No. 388/Del/79 filed on 31.5.1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims.

Device for dispensing a predetermined amount of a liquid substance into a vassel, comprising a tubular part which is arranged vertically above the vassel and means for causing a portion of this substance to pass into the tabular part, wherein—

—the lower portion of the tubular part comprises a calibrated tube, and the device further comprises :

—means for cooling the calibrated tube,

—means for applying a downwardly directed vertical pressure on the upper level of the substance received by the tube, these means operating simultaneously with the said

means for cooling in order to form a continuous vertical thread of the frozen substance below the calibrated tube

—and means for cutting the thread so as to separate a detached portion of thread having a predetermined length, this detached portion, which is received by gravity in the vessel, constituting, after regaining the liquid state, the said predetermined amount.

(Complete specification 11 pages. Drawing 1 sheet).

CLASS : 35 C. 152239.

Int. Class : C 04 b 9/02.

PROCESS FOR MANUFACTURE OF SOREL CEMENT COMPOSITIONS.

Applicant : A/S NORCEM, A NORWEGIAN COMPANY, OF HAAKON VII GT. 2, VIKA-OSLO 1, NORWAY.

Inventor : ROBERT SMITH JOHANNSEN.

Application for Patent No. 393/Del/79 filed on 1st June, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims.

A process of manufacture Sorel Cement compositions comprising admixing magnesium chloride, magnesium oxide, water and ethyl silicate in an amount of from about 0.5—2% by weight based on the total weight of the composition and thereafter curing said composition under saturated atmospheric ronditions.

(Complete specification 14 pages).

CLASS : 202C & 140B$_3$. 152240.

Int. Class : C10g 43/04.

AN IMPROVED PROCESS FOR THE SEPARATION OF n-PARAFFINS HYDROCARBONS FROM PETROLEUM FRACTIONS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : VENKAT RAO SISTA, GIRISH CHANDRA SRIVASTAVA, JAGJIT SINGH SODHI, DINESH CHANDER, INDER BHUSHAN GULATI & RAJ KOHLI.

Application for Patent No. 399/Del/79 filed on 5th June, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims.

A process for the separation of n- paraffinic hydrocarbons from petroleum fractions comprising reacting said fractions with urea in presence of an activator to form an adduct characterized in that said activator comprises a ketone of the type R_1, $R_2C=O$ where R_1 and R_2 may be the same or different alkyl radicals having 2 to 6 carbon atoms said ketone being preferably acetone, washing by a known step the adduct to separate the unadducted fraction therefrom, subjecting the washed adduct to the step of decomposition with a solvent and, thereafter, separate by a known method n-paraffinic hydrocarbons from said solvent.

(Complete specification 19 pages. Drawing 1 sheet).

CLASS : 130 F. 152241.

Int. Class : C22b 1/00.

A PROCESS FOR PURIFICATION AND ENRICHMENT OF LOW GRADE MOLYBDENITE CONCENTRATES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : ANIL KUMAR SAHA, SWAMIMALAI RAMACHANDRA SRINIVASAN, DWARKANATH DATTARAM AKERKAR & VISWANATH ANANT ALTEKAR.

Application for Patent No. 400/Del/79 filed on 5th June, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims.

A process for purification and enrichment of low grade molybdenite concentrates as hereinbefore defined by removal of deleterious impurities like copper and nickel alongwith the selective removal of iron and silica to make the concentrates suitable for the production of ferromolybdenum, calcium molybdate, molybdenum metal and melybdenum compounds, wherein the said concentrates are (i) cured at ambient temperature with a curing agent consisting of aqueous hydrofluoric acid for removal of major part of silica and nickel and iron and the residue is (ii) roasted at a temperature range of 150° to 300° centigrade in presence of ammonium chloride to chloridize the copper and the residual nickel present, followed by (iii) aqueous leaching of the chlorides formed to obtain enriched molybdenum concentrate, recovering copper and nickel by conventional extraction processes, wherein steps (i) and (ii) are interchangeable in sequence.

(Complete specification 11 pages).

CLASS : 130 F. 152242.

Int. Class : C22b 1/00.

AN IMPROVED PROCESS FOR PURIFICATION AND ENRICHMENT OF LOW GRADE MOLYBDENITE CONCENTRATES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : ANIL KUMAR SAHA, SWAMIMALAI RAMACHANDRA SRINIVASAN, DWARKANATH DATTARAM AKERKAR & VISWANATH ANANT ALTEKAR.

Application for Patent No. 401/Del/79 filed on 5th June, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Clims.

A process for purification and enrichment of low grade molybdenum concentrates as hereinbefore defined by removal of deleterious impurities like copper and nickel alongwith selective removal of iron and silica to make the concentrates suitable for the production of ferro-molybdenum, calcium molybdate, molybdenum metal and melybdenum compounds, wherein the low grade concentrates are (i) desnicated by curing with aqueous hydro-fluoric acid or an aqueous solution of hydrofluoric and hydrochloric acids at ambient temperature and the desilicated residue is (ii) cured at ambient temperature with nitric acid solution in presence of

chloride salts such as sodium chloride for selective removal of copper, nickel, iron and other impurities present with minimum loss of molybdenum, the cured mass being diluted with water, decanted, filtered and dried to obtain purified and enriched molybdenum concentrate, removal of copper and nickel being effected from the filtrate by conventional extraction processes, said steps (i) and (ii) being interchangeable in sequence.

(Complete specification. 10 pages).

CLASS : 25A & 35B. 152243.

Int. Class : E04c 1/00, C04b 7/00.

PROCESS FOR MANUFACTURE OF ACID RESISTANT BRICKS TILES AND THE LIKE.

Applicant : SHRI RAM RAYONS, SHRIRAMNAGAR, KOTA-324004, RAJASTHAN, UNIT OF DELHI CLOTH & GENERAL MILLS CO. LTD., BARA HINDU RAO, DELHI-110 006, A COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT.

Inventor : VEMAN GEGU NAVELKAR.

Application for Patent No. 402/Del/79 filed on 5th June, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims.

A process for the manufacture of acid resistant bricks, tiles, and the like from the waste sludge obtained during the manufacture of various sulphur based chemicals like sulphuric acid, carbon di-sulphide comprising the following steps :

Crushing the waste sulphur sludge to ½—1" size pieces, heating the crushed mass to a temperature of from 130—140°C to melt it, adding to the molten mass fly ash in 10—20% weight of the sulphur sludge and reinforcing fibres like asbestos or/and glass fibre in 0—5% weight of the sulphur sludge depending on the properties desired, mixing the molten ingredients thoroughly to a homogenous mass, pouring it in the moulds of desired forms, cooling the moulds gradually over a period of 1—4 hours, and finally releasing the material from the moulds.

(Complete specification 6 pages).

CLASS : 47C. 152244.

Int. Class : E21c 43/00.

PERIODICAL SLUICING OF RESIDUES IN A PROCESS FOR THE PRODUCTION OF SYNTHESIS GAS AND AN APPARATUS THEREFOR"

Applicant : RUHRCHEMIE AKTIENGESELLSCHAFT, OF BRUCHSTRASSE 219, OBERHAUSEN 13, FEDERAL REPUBLIC OF GERMANY A COMPANY INCORPORATED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventors: VOLKMAR SCHMIDT BERNHARD LIEDER, HEINRICH SCHEVE & HANS DOHREN.

Application for Patent No. 407/Del/79 filed on 6th June, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims.

In a process for the production of synthesis gas by gasifying ash-containing fuel with oxygen or one or more oxygen containing compounds under a pressure of 10 to 200 bar, in a gasification, chamber and the residues being granulated in a water bath in communication with the gasification chamber the step of periodically sluicing the residues is characterised in :

— maintaining a flow of water in the direction of the lock vassel between the water bath and the lock vassel during the filling of the lock vassel;

— reducing the pressure in the lock vassel from gasification pressure to atmospheric pressure, or to 500 to 2000 mm water column;

— equalising the pressure between the lock vassel and the water bath through a separate water line;

— maintaining the down-stream collecting vassel under atmospheric pressure; and

— separating the residues in the down-stream collecting vassel.

(Complete specification 16 pages. Drawing 1 sheet).

CLASS 119B. 152245.

Int. Cl. D 03 d 41/00.

A LOOM.

Applicants & Inventors : (1) SAIJA PERUMAL SUBRAMANIAN, 31-A/20, DEVANGA WEAVERS' COLONY, SALAI ROAD, WORIUR, TIRUCHIRAPALLI-620 003, TAMIL NADU, & (2) JAMBULINGAM MUNUSAMI MURUGANAND, 33, NORTH MATHULAM KOLLAI STREET, WORIUR, TIRUCHIRAPALLI-620 003, TAMIL NADU.

Application No. 97/Mas/80 filed May 27, 1980.

Complete specification left August 27, 1981.

Appropriate office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims.

A loom comprising a sley operating on the known raceboard and flying shuttle system; healds connected to first and second pedals characterised by a secondary sley disposed adjacent to the known sley, the said secondary sley incorporating two shuttles; a third penal connected to a separate set of healds, a jacquard box or to other known like device disposed above the loom; a reciprocating bar with which the said shuttles are engaged.

(Prov.—19 pages; Com.—12 pages; Drwgs.—1 sheet of size 33.00 cms. & 41.00 cms.

CLASS 187-F. 152246.

Int. Cl. H 04 m 1/66.

A DEVICE FOR PREVENTING THE MISUSE OF THE DIRECT DISTANCE DIALLING AND LOCAL DIALLING SYSTEMS OF TELEPHONE.

Applicant & Inventor : PALACKAL GOVINDAN KUTTY MENON, OF G—SYSTEMS, 33, QUEEN'S ROAD, BANGALORE-560051, KARNATAKA.

Application No. 159/Mas/80 filed August 21, 1980.

Complete specification left September 21, 1981.

Appropriate office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims.

A device for preventing the misuse of the direct distance dialling and local dialling systems of telephones comprising a pulse shaper, pulse integrator, binary sequential counter and a digit comparator, for shaping, integrating and rendering the dialled number in its binary form for comparing it with the barred number; a re-set logic for receiving the output of the comparator, the re-set logic consisting of a Q-Q re-settable dial flip-flop, the comparator giving a re-set command to the

flip-flop, whenever the dialled digit is the barred number, to re-set the dial circuit and thus render the dialling ineffective.

(Prov.—6 pages; Com.—5 pages; Drgs.—1 sheet).

CLASS 170-D. 152247.

Int. Cl. C 11 d 9/00.

A PROCESS FOR THE MANUFACTURE OF A CLEANING MATERIAL.

Applicant & Inventor : GEORGE SEBASTIAN, VAYAMPOTHANAL HOUSE, ERATTUPETTA-2, KOTTAYAM DIST., KERALA.

Application No. 25/Mas/81 filed Feruary 16, 1981.

Appropriate office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims. No drawing.

A process for the manufacture of a cleaning material comprising the heating and melting of a fatty acid; reacting the molten fatty acid with an emulsifying amine; admixing therewith a natural fat and stirring the mass so obtained to a uniform consistency; adding a mineral oil and vigorously mixing the resultant with water to obtain a thick pasty emulsion.

(Com.—6 pages).

CLASS 51D. 152248.

Int. Cl. B 26 b 21/00.

A SELF-LUBRICATING RAZOR.

Applicant : SEMAC PRIVATE LIMITED, CONSULTING ENGINEERS, 24, PALACE CROSS ROAD, BANGALORE-560 020, KARNATAKA.

Inventor : BENNE NARASIMHAMURTHY SRIDHARA.

Application No. 27/Mas/81 filed February 17, 1981.

Appropriate office for Opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims.

A self-lubricating razor comprising a blade assembly head supported by a handle characterised in that the handle incorporates a chamber containing an aerosol lubricant; a filler valve for replenishing the chamber with the said lubricant; and one or more orifices opening out on the said head, just below the blade assembly, said orifice or orifices being connected by ducting, through a control valve, to the chamber, whereby whenever the control valve is operated, during shaving, lubricant from the Chamber is ejected through the orifice or orifices, to lubricate the skin, in the path, and just ahead, of the advancing blade assembly.

(Com.—5 pages; Drgs.—1 sheet).

Ind. Cl : $32E_1 + 32F_2a + 55E_4$. 152249.

Int. Cl. C07b 5/00+C07c+67/00+C07c—88/00.

PROCESS FOR THE PREPARATION OF P-ACETYLAMINO-PHENYL-N-(2-P-SUBSTITUTED PHENYL ALKYL)-ANTHRANILATE DERIVATIVES.

Applicant : UNI-DISTRIBUTORS PRIVATE LTD. OF 22, BHULABHAI DESAI ROAD, BOMBAY-400 026, MAHARASHTRA INDIA.

Inventor : AMRUT VITHALDAS MODY.

Application No. 139/BOM/81 Filed on May 14, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

3 Claims.

1. A process for the preparation of p-Acetyl amino phenyl-N-(2-p-substitued phenyl alkyl) anthranilate derivatives represented by the formula shown in fig. 1 of the accompanying drawing wherein :—

R1 represents H or a Halogen such as Chloro, bromo and iodo or alkoxy group containing 1 to 4 carbon atoms either branched or straight chain or alkyl group containing 1 to 4 carbon atoms either branched or straight chain.

R2 represents H or a Halogen, such as chloro-, Bromo and Iodo or a nitro group or an alkoxy or alkyl group containing 1-to 4 carbon atoms either branched or straight chain.

X represents an alkyl group of 1 to 6 carbon atoms either branched or straight.

which comprises reacting a N-aralkyl anthranilic acid represented by the formula shown in fig 2 of the accompanying [illegible] R1, R2, and X have the same meaning as [illegible] with p-Acetyl amino phenol having the [illegible] fig 3 of the accompanying drawing in the presence of thionyl chloride or phosphorous oxy chloride.

(Comp. specn. 6 pages. drag—1 sheet).

CLASS 70 C_5; 88 B. 152250.

Int. Cl. C 01 b 13/02.

ELECTROCHEMICAL GAS EXTRACTION METHOD AND APPARATUS.

Applicants & Inventors : ALFRED CHAN CHUNG TSEUNG OF 60 GROVE AVENUE, LONDON, N. 10, ENGLAND AND SAMEER MAHMOOD JASEM OF 39 LANGHAM ROAD, LONDON, N. 15, ENGLAND.

Application No. 361/Cal/79 filed April 12, 1979.

Convention date 14th April, 1978 (14752/78) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

37 Claims.

A method in which an electrochemical cell is used to separate oxygen from a gaseous mixture by electronchemical reduction of the oxygen at the cathode of the cell and regeneration of the oxygen at the anode, chartcerised in that one or more substances formed in the cathodic reduction and/or the anodic regeneration is chemically converted (other than by the anode) to produce oxygen in that the oxygen formed by both the anodic regeneration and the chemical conversion is recovered as the product.

(Compl. specn. 23 pages. Drgs. 1 sheet).

CLASS 156 D & E, 173 B. 152251.

Int. Cl. B 05 b 3/00, F 04 b 1/00, F 04 f 1/00.

LIQUID SPRAY APPARATUS.

Applicants : CARAID PATENTS N.V., OF 6 ABRAHAM DE VEERSTRAAT, CURACAO, ANTILLES.

Inventors : 1. JACOBUS PETRUS JACOBS.

Application No. 438/Cal/1979 filed May 1, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Liquid spray apparatus comprising a portable tank for containing liquid to be sprayed and adapted to be carried by an operator, and at least one air pump comprising means defining at least one resiliently compressible chamber having an air inlet opening which is in communication with ambient atmosphere, and an air outlet opening which is connected to the interior of the tank so that air displaced from the chamber is fed to the tank to pressurise liquid in the tank and securing means for securing the chamber under a foot of a wearer in such a way that, by the heel to toe engagement of

the respective foot with the ground as he walks, the wearer causes successive compression and expansion of the internal volume of the chamber by successively loading the chamber by applying his mass to it and unloading the chamber, the chamber being formed by a footplate which is adapted to be fitted under an article of footwear, which is worn by the wearer, and to be secured in position by said securing means, and a hollow cushion which is formed of an impermeable material which has an aperture formed in it and which has the perimeter of the aperture fitted in a fluid tight manner to the underside of the footplate, wherein the footplate carries locating means which are adapted to locate it relative to the article of footwear to which it is secure when the pump is worn, and the cushion is fitted to the footplate so that it is located under that part of the respective foot that extends between the ball and the base of the heel of the respective foot, when the pump is worn, the hollow cushion being substantially in line with the lower leg portion by which the weight of the operator is transmitted to the foot under which it is worn when that foot is grounded, pressure being generated by compression of the cushion substantially continuously throughout movement of the respective foot from heel to toe until the pump is fully compressed by the direct application of the weight of the operator to it that occurs as the sole of the respective foot is brought to the ground.

(Compl. specn. 14 pages, Drgs. 4 sheet).

CLASS 9 B & E. 152252.

Int. Cl. C 22 c 23/00.

A METHOD OF MAKING MAGNESIUM ALLOYS.

Applicants : MAGNESIUM ELEKTRON LIMITED OF LUMN'S LANE, CLIFTON JUNCTION, SWINTON, MANCHESTER, ENGLAND.

Inventors : 1. JOHN FREDERIC KING AND 2. WILLIAM UNSWORTH.

Application No. 558/Cal/79 filed May 30, 1979.

Convention date 31st May, 1978 (24941/78) Great Britain.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A method of making a magnesium alloy which comprises alloying together at least the following constituents by weight (Apart from impurities) :

Zinc	2	—	10%
Copper	0.5	—	5%

the remainder being magnesium and aluminium being substantially absent.

(Compl. Specn. 25 pages. Drgs. 2 pages.

CLASS 132 D. 152253.

Int. Cl. B 01 f 3/12.

PROCESS FOR MIXING LIQUID ADDITIVES WITH SOLID MATERIALS.

Applicants : UNION CARBIDE CORPORATION OF 217 PARK AVENUE, NEW YORK, STATE OF NEW YORK-10017, UNITED STATES OF AMERICA.

Inventors : 1. PATRICK JOSEPH NESGOOD AND 2. JAMES HENRY FALER.

Application No. 764/Cal/79 filed July 25, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A process for the continuous and uniform mixing of relatively small amounts of liquid or liquefied additive with solid granular material comprising : forming, in a conduct, a continuous pneumatic-or gravity-borne stream of said solid granular material, passing an inert gas stream through a constricting orifice to maintain sonic velocity flow conditions therein; concurrently introducing a stream of said liquid or liquefied additive into said inert gas stream in said constricting orifice under conditions such that combined stream sonic velocity flow conditions are maintained, and introducing the resulting combined liquid or liquefied additive and inert gas streams into said conduit to effect addition of said liquid or liquefied additive to said solid granular material as a coating thereon.

(Compl. specn. 18 pages. Drgs. 1 sheet).

CLASS 32 F$_{20}$. 152254.

Int. Cl. C 07 c 49/27.

PROCESS FOR THE PURIFICATION OF CYCLOALKANONE MIXTURES OBTAINED IN THE OXIDATION OF CYCLOALKANES.

Applicants : STAMICARBON B.V. OF P.O. 10 GELEEN, NETHERLANDS.

Inventors : OTTO GERRIT PLANTEMA.

Application No 830/Cal/79 filed August 10, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

Process for the purification of mixtures that contain a cycloalkanone with 5—12 carbon atoms in the ring and have been obtained in the oxidation of the corresponding cycloalkane in the liquid phase by means of a gas containing molecular oxygen, characterized in that the mixture containing the cycloalkanone is subjected to an aldol condensation reaction in the presence of a catalyst at a temperature of between 30 and 100°C whereby at least 80% of the aldehydes present is converted but at most 20% of the cycloalkyl esters derived from carboxylic acids with at least 4 carbon atoms per molecule is allowed to saponify.

(Compl. specn. 11 pages. Drg. 1 sheet).

CLASS 108 B$_1$. 152255.

Int. Cl. C 21 b 11/00.

METHOD FOR THE DIRECT REDUCTION OF IRON USING GAS FROM COAL.

Applicants : MIDREX CORPORATION OF ONE NCNB PLAZA, CHARLOTTE, NORTH CAROLINA 28280, UNITED STATES OF AMERICA.

Inventors : 1. DAVID CHARLES MEISSNER AND 2. CHARLES WALTER SANZENBACHER.

Application No 839 Cal/79 filed August 14, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

In a method for reducing iron oxide in a direct reduction furnace wherein hot reducing gas is introduced to said furnace to reduce the iron oxide therein to a metalized iron product and to form a CO_2 containing spent reducing gas, the improvement comprising :

a. removing a substantial portion of the CO_2 from said spent reducing gas to form a reductant-rich gas;

b. gasifying fossil fuel utilising O_2 or O_2 and steam to form a hot gasifier gas;

c. tempering said hot gasifier gas with a first stream of said reductant-rich gas to form a hot gas mixture;

d. reacting said hot gas mixture with a sulfur acceptor to form a hot desulfurized gas;

e. heating a second stream of said reductant-rich gas; and

f. mixing said heated second stream of reductant-rich gas with hot desulfurized gas to form a reducing gas having a quality of at least about 8 and a temperature of from about 760 to about 900°C for introduction to said furnace as reducing gas.

(Compl. specn. 15 pages. Drg. 1 sheet).

CLASS 37 A. 152256,

Int. Cl. B 01 d 43/00.

CONTINUOUS CENTRIFUGAL DRYING INSTALLATION.

Applicants : FIVES-CAIL BABOCK OF 7 RUE MONTALIVET, 75383 PARIS CEDEX 08, FRANCE.

Inventors : MR. GERARD JOURNET.

Application No. 883/Cal/79 filed August 27, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Continuous centrifugal drying installation comprising several rotary baskets, having a vertical axis, receiving the product to be dried and provided with a screen through which passes the liquid phase of the product, the latter being gathered in a collector surrounding the basket, the solid particles sliding on the screen and being ejected from its upper end, characterised by the fact that several baskets are placed in a single receptacle which is provided with movable partitions, making it possible to isolate each basket, these partitions being withdrawn during normal operation.

(Compl. specn. 6 pages. Drgs. 3 sheet).

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by M/s. Elpro International Limited to the grant of a patent on application No. 151434 made by Inoue-Japax Research Incorporated.

(2)

An opposition has been entered by the Director General, Research Designs & Standards Organisation, Govt. of India, Ministry of Railways to the grant of a patent on Application No. 151479 made by Elektro-Thermit GmbH.

(3)

An opposition has been entered by Grindwell Norton Limited to the grant of a Patent on Application No. 151489 made by Snam Abrasives Private Limited.

(4)

An opposition has been entered by Council of Scientific & Industrial Research, to the grant of a patent on application No. 151511 made by Stauffer Chemical Company.

PATENTS SEALED

147847 150061 150543 150923 150945 150978 151061 151068 151072 151080 151081 151114 151126 151127 151130 151131 151133 151134 151140 151144 151149 151150

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.

(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by names of the parties claiming interests.

110149 110272 126626 126882 146403

Dayis & Geck Inc.

Renewal fees paid

117873 118375 118463 118539 118543 118750 118779 118833 123504 123852 123894 123995 124037 124162 124443 124502 124659 126117 127216 127728 127876 129095 129101 129120 129155 129156 129167 129211 129225 129304 129383 129400 129403 129428 129569 129638 129649 129697 130018 130076 130109 130162 130204 131001 132629 133328 133394 133408 133434 133562 133617 133677 133710 133734 133738 133787 133829 133884 133902 133955 133972 134023 134027 134028 134041 134130 134193 136186 136388 136734 136833 136890 136901 136971 137133 137160 137161 137184 137426 137501 137764 138097 138115 138116 138238 138263 138559 138563 138868 139414 139555 139572 139835 139920 140080 140179 140349 140601 140893 140961 140978 141211 141380 141751 141978 142000 142311 142485 142594 142700 143039 143193 143194 143413 143543 143576 143630 143637 143843 143889 143958 143982 144106 144137 144271 144380 144539 144647 144886 144910 145094 145128 145263 145641 145648 145745 145841 145844 146052 146105 146167 146187 146258 146287 146293 146294 146414 146540 146581 146854 146926 146961 147113 147177 147456 147741 147783 147980 147897 149137 149175 149201 149508 149525 149548 149581 149757 149921 149930 149950 150153 150298 150373 150496 150550 150587 150619 150658 150662 150739 150748 150749 150750 150757 150764 150765 150770 150771 150804 150806

CESSATION OF PATENTS

113690 113692 113697 113699 113712 113716 113722 113724 113739 113755 113781 113788 113789 113805 113807 113810 113818 113824 113827 113852 113853 113861 113882 113892 142351 143961 150068 150076

RESTORATION OF PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 127520 granted to George A. Bronson for an invention relating to "Rifle Forestock". The patent ceased on the 13th July, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th September, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-17 on or before the 9th December under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 136248 granted to Kaempen Industries, Inc. for an invention relating to "Composite laminate and method and apparatus for making same". The patent ceased on the 12th July, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th September, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 9th December under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 138197 granted to Gujchem Distillers India Ltd. for an invention relating to "Improvements in or relating to the manufacture of sodium carboxy methyl cellulose". The patent ceased on the 11th December, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th September, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 9th December under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 146647 granted to Velauthar Kopalapillai Thillainayagam for an invention relating to "Keyboards apparatus, E.G. for typewriting, typesetting, data handling and similar machines". The patent ceased on the 24th September, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 10th September, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 9th December under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Name Index of applicants for Patents for the month of August, 1983 (Nos. 955/Cal/83 to 1062/Cal/83, 236/Bom/83 to 265/Bom/83, 167/Mas/83 to 179/Mas/83 and 525/Del/83 to 596/Del/83)

Name	*Appln. No.*

—A—

Agarwal, V.—583/Del/83.

Aggarwal, G. D. 545/Del/83.

Ahmedabad Textile Industry's Research Association.—238/Bom/83.

Allis-Chalmers Corporation.—579/Del/83.

Aluminium Company of America.—575/Del/83.

American Cyanamid Company.—979/Cal/ 83.

American Standard Inc. 960/Cal/83.

Arya, B. D.—179/Mas/83.

Associated Cement Companies Ltd., The.—249/Bom/83.

Azionaria Construzioni Macchine Automatiche-A.C.M.A. S.p.A.—577/Del/83.

—B—

B. F. Goodrich Company, The.—542/Del/83.

Babcock & Wilcox Company, The.—965/Cal/83, 966/Cal/83, 967/Cal/83, 1045/Cal/83, 1046/Cal/83, 1047/Cal/83, 1048/Cal/83 & 1050/Cal/83.

Bajai Auto Limited.—251/Bom/83.

Bali, R. S.—242/Bom/83.

Beheermaatschappij H. D. Groeneveld B.V.—1029/Cal/83.

Beliot Corporation.—957/Cal/83.

Bhabha Atomic Research Centre.—246/Bom/83.

Bharat Heavy Electricals Ltd.—532/Del/83.

Bharati, I.K. (Dr.).—256/Bom/83.

Bhasin, M. (Meenakshi).—531/Del/83.

Brown & Williamson Tobacco Corporation.—1007/Cal/83

—C—

C-I-L Inc.—593/Del/83.

CRA Exploration Pvt. Ltd.—528/Del/83 & 529/Del/83.

Cable Belt Limited.—1057/Cal/83.

Card-O-Matic Pty. Ltd.—526/Del/83.

Carrier Corporation.—1000/Cal/83 & 1023/Cal/83.

Cement Research Institute.—549/Del/83.

Centrum Mechanizacji Gornictwa 'Komag'.—998/Cal/83.

Charles Stark Draper Laboratory, Inc., The.—1014/Cal/83.

Chatterjee, S. K.—1017/Cal/83.

Chemische Fabrik Stockhausen Gmph.—569/Del/83.

Chief Engineer, Research and Development, All India Radio.—586/Del/83.

Chlorine Engineers Corp. Ltd.—236/Bom/83.

Colgate-Palmolive Company.—590/Del/83 & 595/Del/83.

Combustion Engineering, Inc.—999/Cal/83, 1009/Cal/83, 1015/Cal/83 & 1060/Cal/83.

Council of Scientific & Industrial Research.—539/Del/83, 565/Del/83, 585/Del/83 & 596/Del/83.

—D—

D.B.A.—527/Del/83 & 572/Cal/83.

Daar, Y.—955/Cal/83.

Dalal, S. M.—252/Bom/83.

Davy Mckee (Sheffield) Limited.—1042/Cal/83.

De, B.—584/Del/83.

Degussa Aktiengesellschaft.—1061/Cal/83.

Name	*Appln. No.*

—D—(Contd.)

DELL'ORTO S.p.A.—982/Cal/83.

Deo, M.P.—253/Bom/83.

Deshmukh, J. B.—260/Bom/83.

Diamond Shamrock Corporation.—997/Cal/83.

Ditamir Hycon Limited—170/Mas/83.

Dnepropetrovsky Meditsinsky Institut.—543/Del/83.

Doshi, P. M.—257/Bom/83.

Dow Chemical Company, The.—996/Cal/83.

Dr. Werner Freyberg Chemische Fabrik Delitis Nachf.—978/Cal/83.

Dube, B. K.—570/Del/83.

Dunlop Limited.—995/Cal/83.

—E—

E.R. Squibb & Sons, Inc.—525/Del/83.

Ecd-Anr Energy Congersion Company.—1049/Cal/83.

Edeco Holdings Limited.—1004/Cal/83.

El Paso olyolefins Company.—556/Del/83 & 566/Del/83.

Emhart Industries, Inc.—546/Del/83.

Energy Cycle, Inc.—1006/Cal/83.

Envirot-ech Corporation.—1010/Cal/83.

Eurometaal N.V.—959/Cal/83.

Ex-Cell-O-Corporation.—561/Del/83.

—F—

F.L. Smidth & Co. A/S.—983/Cal/83 & 990/Cal/83.

Fertilisers and Chemicals, Travancore Limited, The.—177/Mas/83 & 178/Mas/83.

Fickler, H.—1036/Cal/83.

Fuller Company.—563/Del/83.

—G—

G.D. Societa Per Azioni.—559/Del/83.

Gnb. Batteries Inc.—1016/Cal/83.

Gardner, M.S.—551/Del/83.

General Electric Company.—1053/Cal/83.

General Signal Corporation.—592/Del/83.

Glickman, M.N.—1008/Cal/83.

Godrel Soaps Ltd.—247/Bom/83.

—H—

Halcon SD Group, Inc., The.—573/Del/83.

Haldor Topsoe A/s.—1055/Cal/83.

Hardigg Industries Inc.—557/Del/83.

Herschler, R.J.—265/Bom/83.

Hindustan Lever Ltd.—255/Bom/83 & 264/Bom/83.

Hitachi, Ltd.—1011/Cal/83.

Hoechst Aktiengesellschaft.—972/Cal/83, 976/Cal/83 & 987/Cal/83.

Hoechst Pharmaceuticals Ltd.—248/Bom/83.

Name	*Appln. No.*

—I—

ICI Pharma.—581/Del/83.

Imperial Chemical Industries PLC.—552/Del/83.

International Standard Eelectric Corporation.—985/Cal/83, 986/Cal/83 & 993/Cal/83.

—J—

Jain, S.S.—574/Del/83.

Jay Engineering Works Ltd., The.—571/Del/83.

Johnson, D.E.J.—1037/Cal/83.

Johnson, S.J.—1037/Cal/83.

Jyoti Limited.—254/Bom/83.

—K—

Kabushiki Kaisha Meidensha.—989/Cal/83 & 1038/Cal/83.

Kalina, A.I.—975/Cal/83.

Kapcompany General Limited.—548/Del/83.

Khadgi, G.R.—263/Bom/83.

Kharkovsky Instrumentalny Zavod.—543/Del/83.

Kharkovsky Politekhnichesky Institut Imeni V.I. Lenina.—543/Del/83.

Krishnatray, K. K.— 261/Bom/83.

Krone GmbH.—1022/Cal/83.

—L—

Lubrizol Corporation, The.—988/Cal/83.

—M—

M. W. Kellogg Co., The.—538/Del/83.

Majumdar, D.—1021/Cal/83.

Malcolm, B.M.—243/Bom/83 & 244/Bom/83.

Marley Cooling Tower Company, The.—973/Cal/83.

McCambridge, J.—578/Del/83.

Merlin Gerin.—991/Cal/83.

METACON AG.—984/Cal/83.

Mishra, S.P.—562/Del/83.

Mitsui Toatsu Chemicals, Inc. 1044/Cal/83.

Mobil Tyco Solar Energy Corporation.—587/Del/83.

Monsanto Company.—992/Cal/83 & 1030/Cal/83.

Morgan Construction Company.—554/Del/83.

Multi-Arc Vacuum Systems Inc.—968/Cal/83 & 969/Cal/83.

Munshi, C.F.S.—167/Mas/83.

Munshi, J.K. (Capt.).—167/Mas/83.

Musical String Research Bureau.—980/Cal/83 & 981/Cal/83.

Mysore Snackfoods Limited.—168/Mas/83.

—N—

Nederlandse Centrale Organisatie Voor Toegepastnatuurwetenschappelijk Onderzoek.—1003/Cal/83.

Nitschke, J.S.—1027/Cal/83 & 1056/Cal/83.

—P—

Pcuk Produits Chimiques Ugine Kuhlmann.—1033/Cal/83.

Pall Corporation.—580/Del/83.

Name	*Appln. No.*

—P—(Contd.)

Panja, S. R.—961/Cal/83, 962/Cal/83, 963/Cal/83, 964/Cal/83, 1018/Cal/83 1019/Cal/83 & 1020/Cal/83.

Pannalal, N.—258/Bom/83.

Paramec Chemicals Limited.—974/Cal/83.

Patel, K.A.—555/Del/83.

Pathak, B.K.—1062/Cal/83.

Permalec Electrode Ltd.—1043/Cal/83.

Personal Products Company.—1059/Cal/83.

Pfizer Corporation.—550/Del/83.

Phillips Petroleum Company.—1039/Cal/83.

Powerfab Limited.—560/Del/83.

—R—

R & M Company.—553/Del/83 & 582/Del/83.

Radiation Dynamics Inc.—1041/Cal/83.

Ranganathan, R.—173/Mas/83.

Ranganathan, V.K.N.—174/Mas/83.

Rangaswamy, A.—558/Del/83.

Rao, M. M.—245/Bom/83.

Ray, A. K.—170/Mas/83.

Riemer, F.—536/Del/83.

Ruhrchemie Aktiengesellschaft.—535/Del/83.

Ruhrgas Aktiengesellschaft.—1002/Cal/83 & 1013/Cal/83.

—S—

Schlumberger Limited.—1025/Cal/83 & 1026/Cal/83.

Schorling GmbH & Co.—994/Cal/83.

Schubert & Salzer Maschinenfabrik Aktiengesellschaft.—1028/Cal/83.

Schumann, M.—534/Del/83.

Sekiden Co., Ltd.—262/Bom/83.

Shah, S.H.—239/Bom/83.

Sherwood, W.L.—567/Del/83.

Shri Ram Institute for Industrial Research.—530/Del/83.

Simens Aktiengesellschaft.—956/Cal/83.

Simplex-GE Limited.—533/Del/83.

Singh, G.—240/Bom/83 & 241/Bom/83.

Singh, M.—588/Del/83.

Sinniah, N.S.V.—176/Mas/83.

Societe des Produits Nestle S.A.—1052/Cal/83.

Societe Nationale Elf Aquitaine (Production).—958/Cal/83.

Sodastream Limited.—589/Del/83.

Solvay & Cie.—540/Del/83 & 541/Del/83.

Name	*Appln. No.*

Sree Chitra Tirunal Institute for Medical Sciences & Technology.—171/Mas/83.

Steelsworth Pvt. Limited.—1031/Cal/83.

Stencel Aero Engineering Corp.—568/Del/83.

Sumitomo Chemical Company Limited.—977/Cal/83 & 1034/Cal/83.

Superfos A/s.—1054/Cal/83.

—T—

Telefonaktiebolaget L M Ericsson.—576/Del/83.

Tesa S.A.—591/Del/83.

Thangiah, G—175/Mas/83.

Tiwari, Y.R.—237/Bom/83.

Toyo Engineering Corporation.—537/Del/83.

—U—

UOP Inc.—544/Del/83.

Ukrainsky Institut Usovershenstvovania Vrachei.—543/Del/83.

Unichem Laboratories Ltd.—259/Bom/83.

Uniroyal, Inc.—547/Del/83.

—V—

Vaze, G.V.—250/Bom/83.

Venkatachalpathy, G.—172/Mas/83.

Venkataraman, S.—169/Mas/83.

Voest-Alpine Aktiengesellschaft.—970/Cal/83, 971/Cal/83, 1001/Cal/83 & 1035/Cal/83.

Vsesojuzny Nauchno-Issledovatelsky Institut Zheleznodorozhnogo Transporta.—1058/Cal/83.

—W—

Walker Wingsail System Limited.—564/Del/83.

Warner Lambert Company.—594/Del/83.

Welsh, J.—1012/Cal/83.

Westinghouse Electric Corporation.—1005/Cal/83, 1024/Cal/83 & 1040/Cal/83.

Westpilo International U.K. Limited.—1051/Cal/83.

Wheelabrator-Frye Inc.—1032/Cal/83.

—Y—

Yahav, S.—955/Cal/83.

—Z—

Zabrazanska Fabryka Maszyn Gorniczych 'Powen'.—998/Cal/83.

SHANTI KUMAR
Controller-General of Patents, Designs and Trade Marks.

PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD
AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1983